

**Abstract****5      Coating for a mechanical part comprising at least hydrogenated amorphous carbon, and method of depositing one such coating**

A coating for a mechanical part comprises a first layer of hydrogenated amorphous silicon carbide designed to be in contact with the mechanical part, a stack of layers and an external layer of hydrogenated amorphous carbon. The stack is formed by an alternation of layers respectively of hydrogenated amorphous carbon and of hydrogenated amorphous silicon carbide. The coating has a total thickness preferably comprised between 10 10 and 20 micrometers.